

### AMENDMENTS TO CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application.

#### *Listing of Claims:*

1. (Canceled).
2. (Currently Amended) A dual sealing system comprising dual seals in a composite riser having a metal liner assembly wherein said dual seals prevent leakage of internal fluid to the outside of the composite riser. ~~The~~ the dual sealing system of claim 1 further comprising:
  - a mechanical seal in the liner assembly between a transition ring and a metal to composite interface (MCI); and
  - an elastomeric seal between an elastomeric tip provided on the MCI and an elastomeric shear ply provided on the outside of the liner assembly of the composite riser;wherein the transition ring and the elastomeric tip are different elements of the composite riser.
3. (Original) The dual sealing system of claim 2 wherein said elastomeric seal prevents leakage of internal fluids to the outside of the composite riser in the event that the integrity of said mechanical seal or the integrity of the metal liner is compromised.
4. (Previously Presented) The dual sealing system of claim 2 wherein said elastomeric tip is provided proximate an interface between the MCI and the transition ring.

5. (Previously Presented) The dual sealing system of claim 2 wherein said elastomeric tip and the elastomeric shear ply are bonded together to form said elastomeric seal.

6. (Previously Presented) The dual sealing system of claim 2 wherein said elastomeric tip and the elastomeric shear ply are provided in an uncured state and are cured to form said elastomeric seal.

7. (Original) The dual sealing system of claim 4 wherein said elastomeric seal prevents leakage of internal fluids to the outside of the composite riser in the event that the integrity of said mechanical seal or the integrity of the metal liner is compromised.

8-10. (Canceled).

11. (Currently Amended) The method of claim ~~[[10]]~~ ~~[[14]]~~ wherein said elastomeric seal prevents leakage of said fluid to the outside of the composite riser in the event that the integrity of said mechanical seal or the integrity of the liner is compromised.

12. (Currently Amended) A method of preventing leakage of internal fluid to the outside of a composite riser having a metal liner assembly, comprising the steps of:

providing dual seals; and

allowing fluid to flow through the composite riser, wherein said fluid is prevented from leaking to the outside of the composite riser by said dual seals;

wherein one of said dual seals comprises an elastomeric seal between an elastomeric tip provided on a metal to composite interface (MCI) of the liner assembly and an elastomeric shear ply provided on the outside of the liner assembly of the composite riser; and

~~The method of claim 9~~ wherein said elastomeric tip is provided ~~proximate an interface~~ between the MCI and a transition ring of the liner assembly.

13. (Currently Amended) The method of claim 12 wherein, in the event of leakage of said fluid, said leaked fluid forces said elastomeric tip against the MCI ~~along said interface with the transition ring~~ to prevent said fluid from leaking to the outside of the composite riser.

14. (Previously Presented) The method of claim 12 wherein the other of said dual seals comprises a mechanical seal in the liner assembly between the MCI and the transition ring.

15. (Currently Amended) The method of claim 14 wherein, in the event of leakage of said fluid around said mechanical seal, said leaked fluid forces said elastomeric tip against the MCI ~~along said interface with the transition ring~~ to prevent said fluid from leaking to the outside of the composite riser.

16. (Currently Amended) The method of claim 14 wherein, in the event of leakage of said fluid from the liner, said leaked fluid forces said elastomeric tip against the MCI ~~along said interface with the transition ring~~ to prevent said fluid from leaking to the outside of the composite riser.

17. (Previously Presented) A metal to composite interface (MCI) of a composite riser having a liner assembly for use with hydrocarbon production, comprising:

an elastomeric tip provided along an end of the MCI for forming an elastomeric seal with an elastomeric shear ply provided on the outside of the liner assembly to prevent leakage of internal fluid to the outside of the composite riser; and

a mechanical seal surface on the inner surface of the MCI for forming a mechanical seal with a metal transition ring of the liner assembly to prevent leakage of internal fluid to the outside of the composite riser;

wherein the elastomeric seal and the mechanical seal are separate and distinct seals.

18. (Original) The MCI of claim 17 wherein said elastomeric tip and the elastomeric shear ply are provided in an uncured state and are cured to form said elastomeric seal.

19. (Previously Presented) The MCI of claim 17 wherein said elastomeric tip is provided proximate an interface between the MCI and the transition ring of the liner assembly.

20. (Original) The MCI of claim 19 wherein said elastomeric tip and the elastomeric shear ply are provided in an uncured state and are cured to form said elastomeric seal.

21. (Canceled).

22. (Previously Presented) The MCI of claim 17 wherein said mechanical seal surface comprises inner grooves which conform to outer grooves of the transition ring to form said mechanical seal.

23. (Previously Presented) The dual sealing system of claim 2 wherein the transition ring is welded to a liner section in the liner assembly.

24. (Previously Presented) The dual sealing system of claim 2 wherein the transition ring comprises part of a continuous tubular liner section in the liner assembly.

25. (Previously Presented) The dual sealing system of claim 2 wherein the mechanical seal comprises conforming grooves between the transition ring and the MCI.

26. (Canceled).

27. (Canceled).

28. (Previously Presented) The method of claim 14 wherein the mechanical seal comprises conforming grooves between the transition ring and the MCI.

29. (Previously Presented) The method of claim 14 wherein the transition ring comprises part of a continuous tubular liner section in the liner assembly.

30. (Previously Presented) The MCI of claim 17 wherein the transition ring is welded to a liner section in the liner assembly.

31. (Previously Presented) The MCI of claim 17 wherein the transition ring comprises part of a continuous tubular liner section in the liner assembly.